

CLAIM AMENDMENTS

1. (Currently Amended) A T.V. module ~~adapted~~ for use ~~in conjunction~~ with a remotely controllable associated unit, comprising:

a housing containing the following components:

a video recorder;

a remote-control signal transmitter ~~adapted~~ operative to transmit signals representative of control codes to the associated unit;

~~means adapted to analyze the operation of said associated unit in response to said control codes;~~

a memory operative to store remote-control codes including the energization codes for associated units provided by a variety of manufacturers; and

an electronic controller ~~means~~ operative to perform the following functions:

cause ~~[[said]]~~ the remote-control signal transmitter to transmit test control signals to ~~[[said]]~~ the associated unit,

~~cause said means adapted to analyze the operation of~~ ~~[[said]]~~ the associated unit to determine whether control codes related to the associated unit has been energized in response to ~~[[said]]~~ the test control codes, and

cause the control codes determined to be related to the associated unit to be stored in ~~[[said]]~~ the memory.

2. (Canceled)

3. (Original) The T.V. module of claim 1 wherein the associated unit is a cable tuner/descrambler.

4. (Original) The T.V. module of claim 1 wherein the associated unit is a satellite receiver.

5. (Original) The T.V. module of claim 1 wherein the associated unit is a video recorder.

6. (Original) The T.V. module of claim 1, further including means adapted to receive an output signal from the associated unit, said controller being operative to analyze the output signal in order to determine the operation of the associated unit in response to said test control-code signals.

7. (Original) The T.V. module of claim 6 wherein said output signal is a video signal.

8. (Original) The T.V. module of claim 7 wherein said controller is operative to analyze the synchronization of said video signal.

9. (Currently Amended) The T.V. module of claim 1, ~~further comprising a connected~~ wherein the associated unit is a T.V. receiver, means to receive an output signal from the receiver, wherein the controller is operative to cause the transmitter to transmit test control code signals to the receiver; analyze the resulting operation of the receiver in order to determine control codes for the receiver; and store the control codes for the receiver in said memory.

10. (Currently Amended) The T.V. module of claim 9 wherein ~~[[said]]~~ the controller is further connected to an audio sensor operative to receive an acoustic signal from ~~[[said]]~~ the T.V. receiver, and to detect a variation in ~~[[said]]~~ the acoustic signal.

11. (Currently Amended) In a T.V. module ~~adapted for use in conjunction~~ with a remotely controllable associated unit, the T.V. module including a remote-control signal transmitter ~~adapted~~ operative to transmit control signals to the associated unit; ~~[[means]]~~ a processor for analyzing the operation of the associated unit; and a memory adapted to store remote-control codes, the method of determining control codes for the associated unit, comprising the following steps ~~[[of]]~~:

transmitting test control codes to the associated unit each time the T.V. module is energized;
analyzing without operator intervention the resulting operation of the associated unit in order to determine its control codes; and
storing the control codes in a memory.

12. (Original) The method of claim 11 wherein the step of electronically analyzing the resulting operation of the associated unit in order to determine its control codes includes the step of analyzing an output signal from the associated unit.

13. (Original) The method of claim 12 wherein the step of analyzing said output signal includes the step of analyzing a video signal.

14. (Original) The method of claim 13 wherein the step of analyzing a video signal includes the step of analyzing the synchronization of said video signal.

15. (Original) The method of claim 14 wherein the step of analyzing said output signal includes the step of analyzing an acoustic signal.

16. (New) A T.V. module for use with a remotely controllable T.V. receiver, comprising:
a remote-control signal transmitter operative to transmit signals representative of control codes
to the T.V. receiver;

an acoustic detector;

a memory operative to store remote-control codes; and

an electronic controller operative to perform the following functions:

cause the remote-control signal transmitter to transmit test control signals to the T.V.
receiver,

analyze the sound received through the acoustic detector from the T.V. receiver to
determine control codes related to the T.V. receiver in response to the test control codes, and

cause the control codes determined to be related to the T.V. receiver to be stored in the
memory.

17. (New) The apparatus of claim 16 in which the T.V. module is a video recorder.

18. (New) The apparatus of claim 16 wherein the T.V. module is a cable tuner/descrambler.

19. (New) The apparatus of claim 16 wherein the T.V. module is a satellite receiver.

20. (New) The apparatus of claim 16 wherein the T.V. module is a video recorder.

Cancel previously-added claims 21. - 22.